

541/786

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/062560 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number:
PCT/GB2004/000044
- (22) International Filing Date: 9 January 2004 (09.01.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0300427.2 9 January 2003 (09.01.2003) GB
- (71) Applicants (for all designated States except US): **UNIVERSITY OF STRATHCLYDE** [GB/GB]; McCance Building, 16 Richmond Street, Glasgow G1 1XQ (GB). **UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW** [GB/GB]; Gilbert Scott Building, University Avenue, Glasgow G12 8QQ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MOORE, Barry, Douglas** [GB/GB]; Top Flat, 36 Queen Mary Avenue, Crosshill, Glasgow G42 8DT (GB). **PARKER, Marie, Claire** [GB/GB]; Top Flat, 36 Queen Mary Avenue, Crosshill, Glasgow G42 8DT (GB). **PARTRIDGE, Johann** [GB/GB]; 69 Essex Drive, Jordanhill, Glasgow G14 9LX (GB). **VOS, Jan** [NL/GB]; Flat 3/1, 21 Onslow Square, Dennistoun, Glasgow G31 2NR (GB). **KREINER, Michaela, Maria** [AT/GB]; 320 Dumbarton Road, Flat 2R, Glasgow G11 6TF (GB). **STEVENS, Howard, Norman, Ernest** [GB/GB]; Ballyconachy, Balmaha Road, Drymen, Stirlingshire G63 0BX (GB). **FLORES, Maria, Victoria** [IT/GB]; 35 Harriet House, Sorbonne Close, Thornaby TS17 6DG (GB). **ROSS, Alistair** [GB/GB]; Department of Chemistry, University of Glasgow, Joseph Black Building, University Avenue, Glasgow G12 8QQ (GB).
- (74) Agents: **MACDOUGALL, Donald, Carmichael et al.**; Cruikshank & Fairweather, 19 Royal Exchange Square, Glasgow G1 3AE (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHARMACEUTICAL COMPOSITION

(57) Abstract: This invention relates to pharmaceutical formulations comprising particles with a substantially non-hygroscopic inner crystalline core and an outer coating comprising at least one bioactive molecule. The invention also relates to methods of forming particles comprising a substantially non-hygroscopic inner crystalline core and an outer coating comprising at least one bioactive molecule.

WO 2004/062560 A2